

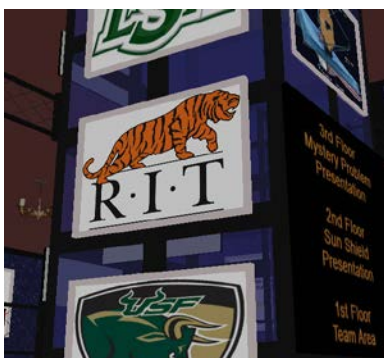
## Student & Mentor Guidelines OPTIMUS PRIME Spinoff InWorld Challenge

### Task 1: Homesteading

**Homesteading:** Successful teams use *Homesteading* as an opportunity to practice building skills and learning how to work together as a team. *Although Homesteading is an important activity, it is neither evaluated nor scored by the Evaluation Team.*

**Suggested Completion Date for Homesteading: February 9, 2015**

In the images below you can see how some teams have used Homesteading as a way to establish their identity and create an individualized home base.

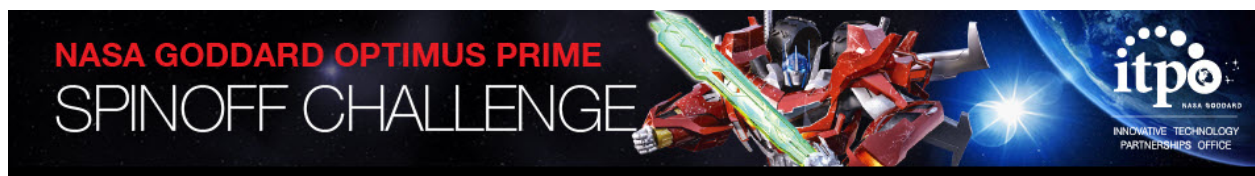


#### As a team:

- Practice how to build and communicate in your TeamWorld. Work through the building tutorials in the IWPlay Space in NIA Universe. This is a *Sandbox* where you should feel comfortable experimenting.

#### Use your InWorld TeamSpace:

- **To introduce each team member by including**
  - A sign with your name(s)—please use *first name, last initial* only,
  - Images that represent your individual interests, and
  - Links to your favorite websites or image collections.
- **To reflect your team's personality by**
  - Choosing a theme for the TeamSpace in your TeamWorld. Ideas may include
    - Locker room
    - Office space
    - Engineering lab
- **At Home Base:**
  - Post notes, links to your journal, and messages to each other.
  - *Good communication throughout the challenge is critical to your team's success. Use your TeamSpace as a tool for communication.*



## Additional Mentor Responsibilities

### Prior to Homesteading:

- Set aside one part of your TeamWorld as a TeamSpace for Homesteading.

### During Homesteading, use this activity to discuss with your team:

- What are your strengths and weaknesses as a mentor? How might you use these to benefit your team?
- How will you “meet” with your team InWorld? You may want to schedule specific times when *EVERYONE MUST be InWorld*. If so, what time works for everyone? How will you communicate with each other about schedules?
- What are the key roles for your team?
- Who and how will you assign tasks?
- How will you communicate with each other when you've completed certain tasks?



## Task 2: Building Knowledge Spaces (Evaluated Task – see Rubric 1)

*This is your first evaluated task. Review the details within Rubric 1 so that you are well aware of how your work will be evaluated.*

### As a team:

- Review the spinoff video.
  - **Mentors:** Learn from your team. Encourage them to share and explain their spinoff video and the work behind it.
  - **Team Members:** Share what you've learned about the James Webb Space Telescope (JWST), NASA spinoff technology associated with JWST, and your own spinoff innovations. You are the experts!
- Visit the open sample TeamWorlds for ideas on how to build knowledge spaces and models. You can teleport to these worlds from the *OPIW Public Space*.
- Plan the best way to organize and design the **Knowledge Spaces** and **3D visual models**.
  - A **Knowledge Space** showcases important information about the project.
    - Most often, this information is posted in signs, images, or short video clips. These are placed around your TeamWorld.
    - You may also include additional information using links to important websites, audio files, or video files within the **Knowledge Space**.
  - **Models** can come in many shapes, sizes, and formats. *You will have access to several different model software packages to create the 3D models.*
    - For this challenge, you will build three models:
      - Depicting the selected JWST technology spinoff technology,
      - Depicting the NASA mission technology, and
      - Depicting your team's original spinoff ideas.

### Deadlines:

- Formative Assessment -- Your TeamWorld will close for Evaluators' Review **March 16, 2015 at 5:00 PM EST** and will not reopen until March 20, 2015 at 5:00PM EST.
  - In preparation for this review, you and your team must complete a presentation (PowerPoint, Prezi, Google Presentation, etc.) that includes:
    - 10 – 15 screenshots of your InWorld Space,
    - Notes to describe your work to the Evaluation Team and
    - The required elements outlined in Rubric 1.
  - An Evaluation Team will review your TeamWorld **March 16 – 20, 2015**.
  - When your world re-opens you will receive feedback from the Evaluation Team. *Feedback is offered to help your team make improvements. It is not "official" and will not be counted against the team.*



### Task 3: Preparing for Final Review

#### As a team:

- Review the feedback from the Formative Assessment. Discuss ways to make improvements. Prepare for the Final Review.

#### Deadlines:

- Your TeamWorld will close **April 13, 2015 at 5:00 PM EST** for final review. It will reopen April 17, 2015 at 5:00 PM EST. At this time, five finalist teams will be named.
  - In preparation for this review, you and your team must develop a video tour of your TeamWorld. This tour should be less than 10 minutes and should guide the Evaluation Team through your TeamWorld, focusing on required components outlined in Rubric 1.
- Finalists will need to prepare for Task 4 (Open House) and Task 5 (InWorld Tour and Q&A with Evaluation Team).



## **Task 4: Open House (Optional Practice Session)**

The Open House is optional, but will help you prepare for the InWorld Team World Tour and Presentation. It is a chance to invite visitors into your TeamWorld and to practice giving tours prior to the final evaluated presentation.

Many groups will be invited to visit your TeamWorld during Open House. You may expect to meet people from:

- NASA
- NIA
- Schools & Universities

Prior to the Open House, be sure you've used clues and guides to help direct people through your TeamWorld. Teleports, links, and arrows will make giving a tour much easier.

*Practice Using Chat to:*

1. Greet visitors in the OPIW Public Space and
2. Get a group from the OPIW Public Space to your TeamWorld ... and back from your TeamWorld to the OPIW Public space.

**The Open House for all Finalists will be scheduled for the week of April 20, 2015. Exact times and dates are to be determined.**

## **Task 5: InWorld Tours and Presentations to Evaluation Team (Evaluated and required for all members of the team)**

Each team will have 30 minutes for an InWorld tour and Q&A session with the Evaluation Team. *This is not only an evaluated activity, but a requirement for all members of the team. This task will determine the winning team.*

### **Be prepared to:**

1. Greet visitors in the OPIW Public Space,
2. Move a group from the OPIW Public Space to your TeamWorld, and back from your TeamWorld to the OPIW Public space,
3. Lead a group (at least five people) through your TeamWorld, and
4. Answer questions about your team's work and design solution.

***For Task 5, review Rubric 2 to be sure you are aware of evaluation criteria.***

**Thirty minute presentation slots will be scheduled for the week of April 27, 2015. Exact timing will be determined based upon finalists' schedules.**